

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

### Complete if Known

<b>Application Number</b>	09/835464
<b>Filing Date</b>	April 17, 2001
<b>First Named Inventor</b>	Harry M. O'SULLIVAN
<b>Art Unit</b>	2684
<b>Examiner Name</b>	T. Lele
<b>Attorney Docket Number</b>	740301-415

Sheet 1 of 4

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date Considered

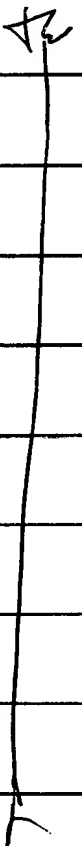
4/29/5

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/835464		
		Filing Date	April 17, 2001		
		First Named Inventor	Harry M. O'SULLIVAN		
		Art Unit	2684		
		Examiner Name	T. Lele		
Sheet	2	of	4	Attorney Docket Number	740301-415

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Cellular System Mobile Station - Land Station Compatibility Specification; Electronic Industries *	
		*Association 1987	
		FISHER; Advanced Mobile Phone Service: A Subscriber Set for the Equipment Test; The Bell System *	
		*Technical Journal, January 1979, pp. 123-143	
		GROSSMAN; Datenfunk - Ubertragungsverfahren und Software-Moglichkeiten; pp. 289-292	
		HAUG; Mobile Telephony in the Nordic Countries; Ericsson Review, 1981, vol 58, no. 3; pp. 120-127	
		HAUG; The Nordic Mobile Telephone System, An Extension of the Telephone Network; *	
		* IEEE, 1983; pp. 1405-1409	
		HEIDORN; Updating Software in a Real-Time Distributed System; IEEE, 1983; pp. 640-643	
		HUTTUNEN; The Role of the Microprocessor in Increasing the Flexibility of a Radiotelephone, 107-81; Radiotelephones; Helsinki 1982; 17 pages	

Examiner Signature		Date Considered	11/24/03
--------------------	---	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/835464
		Filing Date	April 17, 2001
		First Named Inventor	Harry M. O'SULLIVAN
		Art Unit	2684
		Examiner Name	T. Lele
Sheet 3 of 4	Attorney Docket Number	740301-415	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
83		KAHN; Advances in Packet Radio Technology; Proc. of the IEEE, 1978, vol. 66, no. 11; pp. 1468-1496	
		Nokia Corporation's First Supplemental Response to MLR's Interrogatory No. 2; May 30, 2003; pp. 1-8*	
		*and Exhibit A, pp. 12-21	
		NOKIA-MOBIRA; The Finnish World Famous Mobile Telephone; 8 pages	
		NOKIA-MOBIRA; The Mobile Telephone at Your Service Even Without Your Car; 8 pages	
		NORDIC NMT-900; Automatic Cellular Mobile Telephone System; Jan. 1985; NMT Doc. 900-3; pp. 159-163	
		NMT: problems of success; Communications International, December 1984; pp. 44,49,50	
		Mobil im Kontakt mit dem GroBbrechner; Funkschau, 2/1984; pp. 41-44	
		PHILIPS; Nordic Mobile Telephone Manual 195, ap 3733-1; 01/02/1984; 54 pages	
		SANDLER; AT&T, Bell Test Cellular Modem; PC Week, July 2, 1985, v2, n26, p12; 3 pages	

Examiner Signature		Date Considered	11/24/03
--------------------	--	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/835464		
		Filing Date	April 17, 2001		
		First Named Inventor	Harry M. O'SULLIVAN		
		Art Unit	2684		
		Examiner Name	T. Lele		
Sheet	4	of	4	Attorney Docket Number	740301-415

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EL		SANDLER; Cellular Phones: Dick Tracy's Wrist Radio Comes of Age; PC Week, Feb.12, 1985; v2, n6, p29; 3 pages	
		STONE; Clompanies Join to Develop 2,400-BPS Cellular Modems; 1 page	
		TJAINEN; Testing a Complicated Automatic Mobile Telephone System (NMT); IEE 1984; *	
		*Conference Publication Number 238; pp. 76-80	

Examiner Signature		Date Considered	11/24/03
--------------------	---	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.


This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/835464
		Filing Date	April 17, 2001
		First Named Inventor	Harry M. O'Sullivan
		Art Unit	2681
		Examiner Name	Tanmay Lele
Sheet 1	of 1	Attorney Docket Number	74030/-415

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
R		Advanced Mobile Phone Service, Inc.; "Cellular Mobile Telephone Equipment Specification"; May 1983	
		LILLY, "Cellular Modems Show Wide Promise, Narrow Use", PC Week, January 7, 1986, pp. 132, 134	
		MIER, "Tuning Into Cellular Radio", Data Communications, September 1982, pp. 40-41	
		Mobile Data Report, "Borland's Sidekick 2.0 to Dispatch Pages, Toshiba Debuts Cellular Modem at Comdex", Nov. 19, 1990; pp. 1-4	
		Mobile Data Report, "NEC Introduces Laptop, Phone, RJ-11 Briefcase", Oct. 22, 1990; pp. 4-5	
		Nordic Mobile Telephone, "Technical Specification for the Mobile Station", NMT DOC. 3.1979; Oct. 1979, 3rd Edition, pp. 1-95; Annex No. 1 and 2	

Examiner Signature		Date Considered	11/24/03
--------------------	---	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.